

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 22, 2003.

Patty Wilson

Patty Wilson

Date of Signature October 22, 2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jepson et al.

Group Art Unit: 1646

JK Serial No.: 10/133,056 10606060

Examiner: M. Pak

Filed: June 25, 2003

Docket No.: 1392/4/3/2

Confirmation No.: 6114

For: METHOD FOR CONTROLLING GENE EXPRESSION IN A CELL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the following references. Form PTO-1449 is attached hereto.

Copies of the cited documents are of record in the file history of U.S. Patent Application Serial No. 09/564,418 filed on May 3, 2000. The above-captioned application claims priority to U.S. Patent Application Serial No. 09/564,418 under 35 U.S.C. § 120, and as per 37 C.F.R. § 1.98, no copies of these cited documents are believed to be required.

Early passage of the subject application to issue is earnestly solicited.

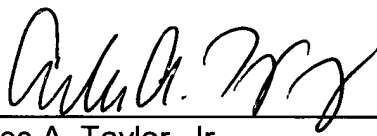
Serial No.: 10/606,060

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: 10/22/03

By: 
Arles A. Taylor, Jr.
Registration No. 39,395

1392/4/3/2 AAT/ CPP/ptw

Enclosures

Customer No: 25297



FORM PTO-1449 (Modified)	ATTY. DOCKET NO. PPD50047/US/D1	SERIAL NO. Not Assigned
	APPLICANT Ian Jepson <i>et al.</i>	
	FILING DATE	GROUP Not Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

Examiner Initial		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE (If appropriate)
	AA	5,424,333	06/13/95	Wing	514	615	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	Publication Date	COUNTRY OR PATENT OFFICE			Translation Yes	No
	AB	0 615 976	09/21/94	EPO				
	AC	0 293 358	11/30/88	EPO				
	AD	0 218 571	04/15/87	EPO				
	AE	96/27673	09/12/96	WO				
	AF	93/23431	11/25/93	WO				
	AG	93/09237	05/13/93	WO				
	AH	93/03162	02/18/93	WO				
	AI	92/06201	04/16/92	WO				
	AJ	92/04449	03/19/92	WO				
	AK	92/00377	01/09/92	WO				
	AL	91/13167	09/05/91	WO				
	AM	91/04323	04/04/91	WO				
	AN	90/14000	11/29/90	WO				
	AO	90/08826	08/09/90	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	Allan, George F. <i>et al.</i> , "Ligand-dependent conformational changes in the progesterone receptor are necessary for events that follow DNA binding, PROC. NATL. ACAD. SCI., USA, Biochemistry , Vol. 89, December 1992, pp. 11750-11754
	AQ	Allan, George F. <i>et al.</i> , "Hormone and Antihormone Induce Distinct Conformational Changes Which Are Central to Steroid Receptor Activation", THE JOURNAL OF BIOLOGICAL CHEMISTRY , Vol. 267, No. 27, September 1992, pp. 19513-19520

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified)	ATTY. DOCKET NO. PPD50047/US/D1	SERIAL NO. Not Assigned
	APPLICANT Ian Jepson <i>et al.</i>	
	FILING DATE	GROUP Not Assigned

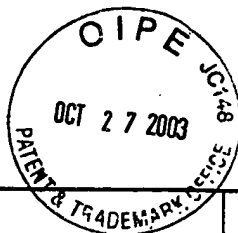
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

AR	Ashburner, Michael, "Puffs, Genes, and Hormones Revisited", CELL , Vol. 61, April 6, 1990, pp. 1-3
AS	Beato, Miguel, "Gene Regulation by Steroid Hormones", CELL , Vol. 56, February 10, 1989, pp. 335-344
AT	Becker, Claudia <i>et al.</i> , "PCR cloning and expression analysis of cDNAs encoding cysteine proteinases from germinating seeds of <i>Vicia sativa</i> L.", PLANT MOLECULAR BIOLOGY , Vol. 26, 1994, pp. 1207-1212
AU	Cammue, Bruno P.A. <i>et al.</i> , "Isolation and Characterization of a Novel Class of Plant Antimicrobial Peptides from <i>Mirabilis jalapa</i> L. Seeds", THE JOURNAL OF BIOLOGICAL CHEMISTRY , Vol. 267, No. 4, February 1992, pp. 2228-2233
AV	Carlberg, Carsten <i>et al.</i> , "Two nuclear signalling pathways for vitamin D", NATURE , Vol. 361, February 18, 1993, pp. 657-660
AW	Cho, Wen-Long <i>et al.</i> , "Mosquito Ecdysteroid Receptor: Analysis of the cDNA and Expression During Vitellogenesis", INSECT BIOCHEM. MOLEC. BIOL. , Vol. 25, No. 1, 1995, pp. 19-27
AX	Christopherson, Karen S. <i>et al.</i> , "Ecdysteroid-dependent regulation of genes in mammalian cells by a <i>Drosophila</i> ecdysone receptor and chimeric transactivators", PROC. NATL. ACAD. SCI., USA, Genetics , Vol. 89, July 1992, pp. 6314-6318
AY	Evans, Ronald M., "The Steroid and Thyroid Hormone Receptor Superfamily", SCIENCE , Vol. 240, May 13, 1988, pp. 889-895
AZ	Goetting-Minesky, M.P. <i>et al.</i> , "Differential gene expression in an actinorhizal symbiosis: Evidence for a nodule-specific cysteine proteinase", PROC. NATL. ACAD. SCI., USA, Plant Biology , Vol. 91, October 1994, pp. 9891-9895
BA	Green, Stephen <i>et al.</i> , "Nuclear receptors enhance our understanding of transcription regulation", TIG , Vol. 4, No. 11, November 1988, pp. 309-314
BB	Heyman, Richard A. <i>et al.</i> , "9-Cis Retinoic Acid Is a High Affinity Ligand for the Retinoid X Receptor", CELL , Vol. 68, January 24, 1992, pp. 397-406
BC	Hirst, M.C. <i>et al.</i> , "Preparation of radiolabelled hybridization probes by STS labelling", TRENDS IN GENETICS , Vol. 8, No. 1, January 1992, pp. 6-7

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified)	ATTY. DOCKET NO. PPD50047/US/D1	SERIAL NO. Not Assigned
	APPLICANT Ian Jepson <i>et al.</i>	
	FILING DATE	GROUP Not Assigned

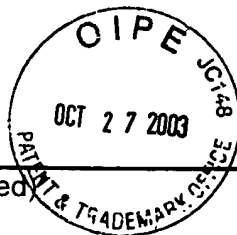
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

BD	Hollenberg, Stanley M. <i>et al.</i> , "Primary structure and expression of a functional human glucocorticoid receptor cDNA", NATURE , Vol. 318, No. 19, December 16, 1985, pp. 635-641
BE	Imhof, Markus O. <i>et al.</i> , "Cloning of a <i>Chironomus tentans</i> Cdna Encoding a Protein (cEcRH) Homologous to the <i>Drosophila melanogaster</i> Ecdysteroid Receptor (dEcR)", INSECT BIOCHEM. MOLEC. BIOL. , Vol 23, No. 1, January 1993, pp. 115-124
BF	Jiang, Binghua <i>et al.</i> , "Association of a 33-Kilodalton Cysteine Proteinase Found in Corn Callus with the Inhibition of Fall Armyworm Larval Growth", PLANT PHYSIOL. , Vol. 108, 1995, pp. 1631-1640
BG	Jindra, Marek <i>et al.</i> , "Isolation and Developmental Expression of the Ecdysteroid-induced <i>GHR3</i> Gene of the Wax Moth <i>Galleria mellonella</i> ", INSECT BIOCHEM. MOLEC. BIOL. , Vol. 24, No. 8, 1994, pp. 763-773
BH	Kliwer, Steven A. <i>et al.</i> , "Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D ₃ signalling", NATURE , Vol. 355, January 30, 1992, pp. 446-449
BI	Koelle, Michael R. <i>et al.</i> , "The <i>Drosophila EcR</i> Gene Encodes an Ecdysone Receptor, a New Member of the Steroid Receptor Superfamily", CELL , Vol. 67, October 4, 1991, pp. 59-77
BJ	Kothapalli, Ravi <i>et al.</i> , "Cloning and Developmental Expression of the Ecdysone Receptor Gene From the Spruce Budworm, <i>Choristoneura fumiferana</i> ", DEVELOPMENTAL GENETICS , Vol. 17, 1995, pp. 319-330
BK	Krust, Andrée <i>et al.</i> , "The chicken oestrogen receptor sequence: homology with <i>v-erbA</i> and the human oestrogen and glucocorticoid receptors", THE EMBO JOURNAL , Vol. 5, No. 5, 1986, pp. 891-897
BL	Leid, Mark <i>et al.</i> , "Multiplicity generates diversity in the retinoic acid signally pathways", TIBS , Vol. 17, October 1992, pp. 427-433
BM	Leid, Mark <i>et al.</i> , "Purification, Cloning, and RXR Identity of the HeLa Cell Factor with Which RAR or TR Heterodimerizes to Bind Target Sequences Efficiently", CELL , Vol. 68, January 24, 1992, pp. 377-395
BN	Linthorst, Huub J. <i>et al.</i> , "Circadian expression and induction by wounding of tobacco genes for cysteine proteinase", PLANT MOLECULAR BIOLOGY , Vol. 21, 1993, pp. 685-694

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified)	ATTY. DOCKET NO. PPD50047/US/D1	SERIAL NO. Not Assigned
	APPLICANT Ian Jepson <i>et al.</i>	
	FILING DATE	GROUP Not Assigned

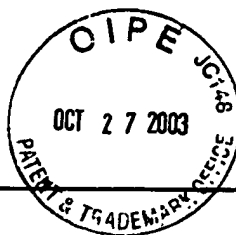
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

BO	Mangelsdorf, David J. <i>et al.</i> , "Characterization of three RXR genes that mediate the action of 9- <i>cis</i> retinoic acid", GENES & DEVELOPMENT , Vol. 6, 1992, pp. 329-344
BP	Oro, Anthony E. <i>et al.</i> , "Relationship between the product of the <i>Drosophila ultraspiracle</i> locus and the vertebrate retinoid X receptor", NATURE , Vol. 347, September 20, 1990, pp. 298-301
BQ	Riddihough <i>et al.</i> , "An ecdysone response element in the <i>Drosophila hsp27</i> promoter", THE EMBO JOURNAL , Vol. 6, No. 12, 1987, pp. 3729-3734
BR	Schena, Mark <i>et al.</i> , "A steroid-inducible gene expression system for plant cells", PROC. NATL. ACAD. SCI. , USA, Genetics, Vol. 88, December 1991, pp. 10421-10425
BS	Segraves, William A., "Something Old, Some Things New: The Steroid Receptor Superfamily in <i>Drosophila</i> ", CELL , Vol. 67, October 18, 1991, pp. 225-228
BT	Segraves, William A. <i>et al.</i> , "The <i>E75</i> ecdysone-inducible gene responsible for the <i>75B</i> early puff in <i>Drosophila</i> encodes two new members of the steroid receptor superfamily", GENES & DEVELOPMENT , Vol. 4, 1990, pp. 204-219
BU	Smagghe, Guy <i>et al.</i> , "Action of a Novel Nonsteroidal Ecdysteroid Mimic, Tebufenozide (RH-5992), on Insects of Different Orders", PESTIC. SCI. , Vol. 42, 1994, pp. 85-92
BV	Smagghe, Guy <i>et al.</i> , "Biological activity and receptor-binding of ecdysteroids and the ecdysteroid agonists RH-5849 and RH-5992 in imaginal wing discs of <i>Spodoptera exigua</i> (Lepidoptera:Noctuidae)", EUR. J. ENTOMOL. , Vol. 92, 1995, pp. 333-340
BW	Smart, Catherine M. <i>et al.</i> , "The timing of maize leaf senescence and characterization of senescence-related cDNAs", PHYSIOLOGIA PLANTARUM , Vol. 93, 1995, pp. 673-682
BX	Stemmer, Willem P.C., "Rapid evolution of a protein <i>in vitro</i> by DNA shuffling", NATURE , Vol. 370, August 4, 1994, pp. 389-391
BY	Terras, Franky R.G. <i>et al.</i> , "A new family of basic cysteine-rich plant antifungal proteins from Brassicaceae species", FEBS LETTERS , Vol. 316, No. 3, pp. 233-240

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified)	ATTY. DOCKET NO. PPD50047/US/D1	SERIAL NO. Not Assigned
	APPLICANT Ian Jepson <i>et al.</i>	
	FILING DATE	GROUP Not Assigned

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	BZ	Thummel, Carl S. <i>et al.</i> , "Spatial and Temporal Patterns of <i>E74</i> Transcription during <i>Drosophila</i> Development", CELL , Vol. 61, April 6, 1990, pp. 101-111
	CA	Vegeto, Elisabetta <i>et al.</i> , "The Mechanism of RU486 Antagonism Is Dependent on the Conformation of the Carboxy-Terminal Tail of the Human Progesterone Receptor", CELL , Vol. 69, May 15, 1992, pp. 703-713
	CB	Yao, Tso-Pang <i>et al.</i> , "Drosophila ultraspiracle Modulates Ecdysone Receptor Function via Heterodimer Formation", CELL , Vol. 71, October 2, 1992, pp. 63-72
	CC	Yao, Tso-Pang <i>et al.</i> , "Functional ecdysone receptor is the product of <i>EcR</i> and <i>Ultraspiracle</i> genes", NATURE , Vol. 366, December 2, 1993, pp. 476-479
	CD	Yu, Victor C. <i>et al.</i> , "RXR β : A Coregulator That Enhances Binding of Retinoic Acid, Thyroid Hormone, and Vitamin D receptors to Their Cognate Response Elements", CELL , Vol. 67, December 20, 1991, pp. 1251-1266
	CE	Hogness, D.S., Talbot, W.S., Bender, M.T. and Koelle, M. [1992] X Ecdysone Workshop, Liverpool. Abstract).
	CF	Bowie et al. (1990) <i>Science</i> 247 : 1307-1310.
	CG	George et al. (1988) <i>Macromolecular Sequencing and Synthesis</i> (Ed. D.H. Schlesinger) Alan R. Liss Inc., New York, pp. 127-149.
	CH	
	CI	
	CJ	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.